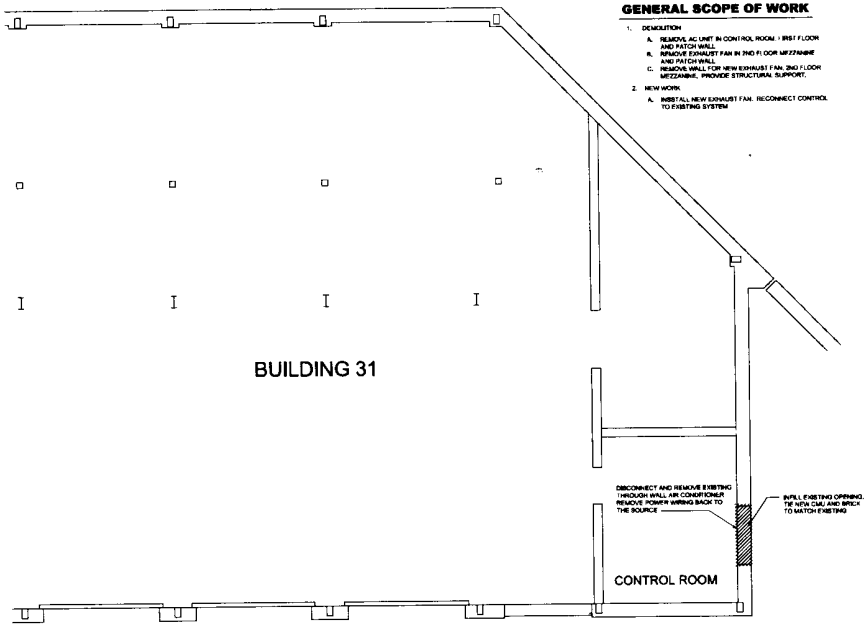
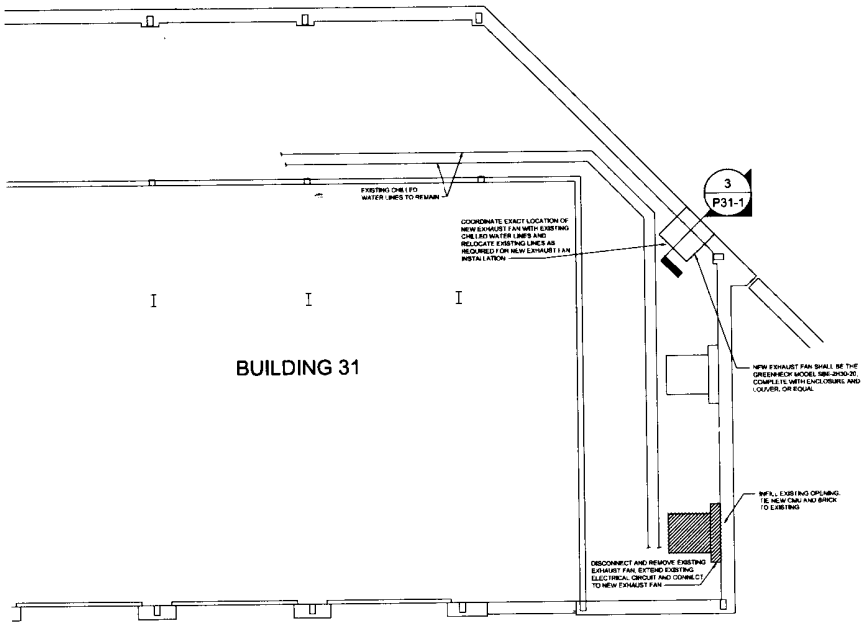
GENERAL SCOPE OF WORK

1. DEMOLITION
   - A. REMOVE AC UNIT IN CONTROL ROOM 1 IRST FLOOR AND PATCH WALL
   - B. REMOVE EXHAUST FAN IN 2ND FLOOR MEZZANINE AND PATCH WALL
   - C. REMOVE WALL FOR NEW EXHAUST FAN, 2ND FLOOR MEZZANINE. PROVIDE STRUCTURAL SUPPORT.
2. NEW WORK
   - A. INSTALL NEW EXHAUST FAN. RECONNECT CONTROL TO EXISTING SYSTEM



A1 **FIRST FLOOR PLAN**
Scale: 1/4" = 1'-0"



A2 **MEZZANINE FLOOR PLAN**
Scale: 1/4" = 1'-0"

STRUCTURAL NOTES

GOVERNING CODE

PENNSYLVANIA'S STATEWIDE BUILDING CODE (A.K.A. UNIFORM CONSTRUCTION CODE, UCC) – REFERENCES IBC 2009 AND APPENDIX E AND CHAPTER 11 OF IBC 2012

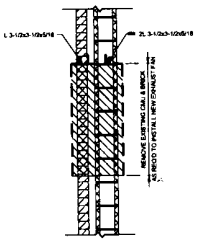
MASONRY

1. MASONRY CONSTRUCTION AND MATERIALS SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATIONS FOR MASONRY STRUCTURES" (ACI 530.1-05/ASCE 6-05/TMS 602-05). EXCEPT AS MODIFIED BY THE REQUIREMENTS OF THESE CONTRACT DOCUMENTS.
2. CONCRETE MASONRY UNITS SHALL BE GRADE N, TYPE I FABRICATED IN ACCORDANCE WITH ASTM C90 HAVING A MINIMUM COMPRESSIVE STRENGTH OF 1900 PSI.
3. MATERIALS
   - A. CONCRETE MASONRY UNITS: ASTM C90 TYPE I.
   - B. MORTAR: ASTM C270
      1. MORTAR TYPE S TYPE N
   - C. HORIZONTAL JOINT REINFORCING FOR CONCRETE MASONRY AND BRICK VENEER CAVITY WALL: ASTM A951 9 GAGE LADDER TYPE PLACED IN CONCRETE MASONRY WITH PROJECTING EYES FOR 3/16" DIAMETER DOUBLE WIRE RECTANGULAR ADJUSTABLE PINTLE. HOT DIPPED GALVANIZED PER ASTM A153 CLASS B. PLACE HORIZONTAL JOINT REINFORCING AT 16" CENTERS VERTICALLY FOR CONCRETE MASONRY. LAP HORIZONTAL JOINT REINFORCING 6" MINIMUM. HORIZONTAL JOINT REINFORCING SHALL BE DISCONTINUOUS ACROSS MOVEMENT JOINTS.
4. LINTELS
   - A. UNLESS OTHERWISE INDICATED PROVIDE STEEL ANGLE LINTELS WHERE FACE BRICK IS INDICATED AND ONE ANGLE FOR EACH 4 INCHES WIDTH OF MASONRY SHALL BE PROVIDED IN ACCORDANCE WITH THE FOLLOWING. A MINIMUM OF 8 INCHES OF BEARING SHALL BE PROVIDED. THE LONG LEG OF THE ANGLE SHALL BE VERTICAL.

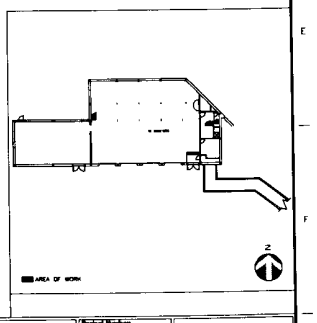
MAXIMUM OPENING	ANGLE SIZE
0'-0" TO 3'-0"	L 3 1/2 x 3 1/2 x 5/16
3'-1" TO 4'-0"	L 4 x 3 1/2 x 5/16
4'-1" TO 5'-0"	L 5 x 3 1/2 x 5/16
5'-1" TO 6'-0"	L 6 x 3 1/2 x 1/2
6'-1" TO 10'-0"	L 6 x 3 1/2 x 1/2

STRUCTURAL STEEL

1. LINTELS SUPPORTING EXTERIOR MASONRY WYTHES AND MEMBERS EXPOSED TO WEATHER IN FINISHED STRUCTURES.
   - A. HOT DIP GALVANIZE PER ASTM A123 AFTER FABRICATION, COATING WEIGHT PER PARAGRAPH 5.1 OF ASTM A123 AND A153. FABRICATE ASSEMBLIES PER ASTM A143, A384, AND A385. AFTER ERECTION, REPAIR DAMAGED AREAS AND WELDS MADE AFTER GALVANIZING IN ACCORDANCE WITH ASTM A780 WITH ORGANIC ZINC RICH PAINT COMPLYING WITH DOD-P-21035 OR MIL-P-26915, MULTIPLE COATS TO DRY FILM THICKNESS OF 4 MILS.



3 **SECTION**
Scale: 3/4" = 1'-0"



PROGRESS ONLY

Revisions / Date	CONSULTANTS MEP ENGINEERING H.F. LENZ COMPANY 1407 Scalp Avenue Johnstown, PA 15904 (814) 269-3566	ARCHITECT	
Drawing Title: BUILDING 31 HVAC/ELECTRICAL	Project Title: Domestic Water Upgrades	Project Number	Office of Construction and Facilities Management
Approved	Location: Philadelphia, Pennsylvania	Building Number: 31	
	Date: 2/27/15 · Checked By: TME · Drawn By: JLJ	Drawing Number: P31-1	

VA FORM 08-6231